BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 55

18/01/2021

Item Name: Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	Bl (m)	Avg B (m)	D (m)	QTY	REMARKS
Inside Wall									
Managar Room		2	4.40						
		2	4.50				3.20	28.16	
Deduction							3.20	28.80	
Shutter									
V		-1	3.40			0.50	2.10	-3.57	
		-1	0.80			0.50	0.50	-0.20	
							Total Qty Work Done	53.19	Sqm
							Qty Payable in this bill	53.19	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

18/01/2021

Assistant Engineer
Ward No 17

18/01/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

Asst. Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 56

19/01/2021

Item Name: Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications, as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Celing									
Room		1.00	4.40				4.50	19.80	
							Total Qty Work Done	19.80	Sqm
							Qty Payable in this bill	19.80	Sqm

Contractor Representative

Consultant Representative

19/01/2021

Assistant Engineer
Ward No 17

19/01/2021

Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 57

Item Name: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. as per the direction of Engineer in charge

21/01/2021

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Qty Vide From Item No 55							53.19	
Qty Vide From Item No 56							19.80	
Total Qty Work Done							72.99	Cum
Qty Payable in this bill							72.99	Cum

Contractor Representative

Consultant Representative

21/01/2021
Assistant Engineer
Ward No 17

21/01/2021
Asst. Executive Engineer
Yashwanthapura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 58

Item Name: Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. as per the direction of Engineer in charge

27/01/2021

CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Qty Vide From Item No 57							72.99	
						Total Qty Work Done	72.99	Cum
						Qty Payable in this bill	72.99	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

Assistant Engineer
Ward No 17

25/01/2021

Asst Executive Engineer
Yeshwanthapura Sub Division

25/01/2021

Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 59

Item Name: 27/01/2021

Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material. free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. as per the direction of Engineer in charge

CHAINAGE								
Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Qty Vide From Item No 54							74.43	
						Total Qty Work Done	74.43	Cum
						Qty Payable in this bill	74.43	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

27/01/2021

Assistant Engineer
Ward No 17

27/01/2021

Asst. Executive Engineer
Yashwanthapura Sub Division

Executive Engineer
Yashwanthapura Sub-Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No:	60									
Item Name:	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete. as per the direction of Engineer in charge									
	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Flooring									
	Room		1.00	4.40	4.50	4.50	4.50		19.80	
	Skirting 20 %								3.96	
								Total Qty Work Done	23.76	Sqm
								Qty Payable in this bill	23.76	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

16/01/2024

Assistant Engineer
Ward No 17

16/01/2024

Asst. Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Item No: 61

Measurement Sheet

First and Part

18/01/2021

Item Name: Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and riveted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.as per the direction of Engineer in charge

CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
V		2	0.80				0.45	0.72	
							Total Qty Work Done	0.72	Sqm
							Qty Payable in this bill	0.72	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

Assistant Engineer
Ward No 17
18/01/2021

Asst.Executive Engineer
Yashwanthapura Sub Division
19/01/2021

Asst. Executive Engineer
Yashwanthapura Sub-Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Item No:	62	Measurement Sheet First and Part							
Item Name:	Providing and fixing M.S.Grill work for windows and ventilators weighing 21kg/sqm using M.S.Flats, or M.S.Squared rods, or combination of M.S.Flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of all materials, fixtures, labour and HOM of machinery complete as per specifications as per the direction of Engineer in charge								
CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
V		2	0.80				0.45	0.72	
40kg/sqm								28.80	
							Total Qty Work Done	28.80	Cum
							Qty Payable in this bill	28.80	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

Assistant Engineer
Ward No 17

Asst. Executive Engineer
Yeshwanthapura Sub Division
Bruhat Bangalore Mahanagara...

Asst. Executive Engineer
Yeshwanthapura Sub-Division
Bruhat Bangalore Mahanagara...

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Item No: 63

Measurement Sheet

First and Part

22/01/2021

Item Name: Providing and Applying enamel metal Paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter including cost of materials labour complete as per specification as per the direction of Engineer in charge

CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
V		1	0.72				2.00	1.44	
							Total Qty Work Done	1.44	sqm
							Qty Payable in this bill	1.44	sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

Asst Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE. - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 64

25/01/2021

Item Name: For roof slab & terraces Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a tough elastomeric waterproof membrane on the surface. The surface shall be cleaned free from dust and other particle before usage. standards & methodology : This compound has a medium viscosity grade with 620% of elongation and shall be done either by roller application/brush application/ spray. This will be applied for a thickness of 1.3mm first layer 0.5mm & 2nd layer 0.8mm. After applying the 2nd layer sand sprinkle shall be done to provide mechanical key. as per the direction of Engineer in charge

CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Rcc Slab									
		1	5.60	4.70	4.70	4.70		26.32	
							Total Qty Work Done	26.32	Sqm
							Qty Payable in this bill	26.32	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

25/01/2021

Assistant Engineer
Ward No 17

25/01/2021

Assistant Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanagara P

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

25/01/2021

Item No: 65

Item Name: Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. Double leaf door of size

CHAINAGE		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
Door									
		1	3.40				2.10	7.14	
							Total Qty Work Done	7.14	sqm
							Qty Payable in this bill	7.14	sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

28/01/2021

Assistant Engineer
Ward No 17

28/01/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

Asst Executive Engineer
Yeshvanthpura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet

First and Part

Item No: 66

Item Name: Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per pecifications. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road as per the direction of Engineer in charge

25/01/2021

CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
			Build Area					
Footing	1	5.60	4.70	4.70	4.70	0.15	3.95	
Long Wall	2	4.40	1.10					
Short Wall	2	4.50	1.10	1.10	1.10	0.60	5.81	
For Gagibo	2	17.00	1.10	1.10	1.10	0.60	5.94	
				1.10	1.10	0.60	22.44	
					Total Qty Work Done		38.14	Cum
					Qty Payable in this bill		36.16	Cum

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

25/01/2021

Assistant Engineer
Ward No 17

25/01/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanag

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 67

16/01/2021

Item Name: Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete. as per the direction of Engineer in charge

CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
New Kerbs									
		1	30.00					30.00	
		1	19.00					19.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	2.00					2.00	
		1	30.00					30.00	
		1	4.00					4.00	
		1	30.00					30.00	
		1	15.00					15.00	
		1	30.00					30.00	
		1	16.00					16.00	
		1	30.00					30.00	
		1	25.20					25.20	
		1	30.00					30.00	
		1	22.10					22.10	
								373.30	
No of Kerbs = length /0.45								830.00	
								830.00	No's
								830.00	No's

Total Qty Work Done

Qty Payable in this bill

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

16/01/2021

Assistant Engineer
Ward No 17

16/01/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

Asst. Executive Engineer
Yeshwanthapura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 68

Item Name: Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 as per the direction of Engineer in charge

18/01/2021

CHAINAGE Land Mark	NO	L (m)	B (m)	Bl (m)	Avg B (m)	D (m)	QTY	REMARKS
New Kerbs								
	1	30.00				0.40	12.00	
	1	19.00				0.40	7.60	
	1	30.00				0.40	12.00	
	1	30.00				0.40	12.00	
	1	30.00				0.40	12.00	
	1	2.00				0.40	0.80	
	1	30.00				0.40	12.00	
	1	4.00				0.40	1.60	
	1	30.00				0.40	12.00	
	1	15.00				0.40	6.00	
	1	30.00				0.40	12.00	
	1	16.00				0.40	6.40	
	1	30.00				0.40	12.00	
	1	25.20				0.40	10.08	
	1	30.00				0.40	12.00	
	1	22.10				0.40	8.84	
						Total Qty Work Done	149.32	Sqm
						Qty Payable in this bill	149.32	Sqm

Contractor Representative

SAPIENCE BANGALORE CONSULTANTS

Consultant Representative

18/01/2021

Assistant Engineer

18/01/2021

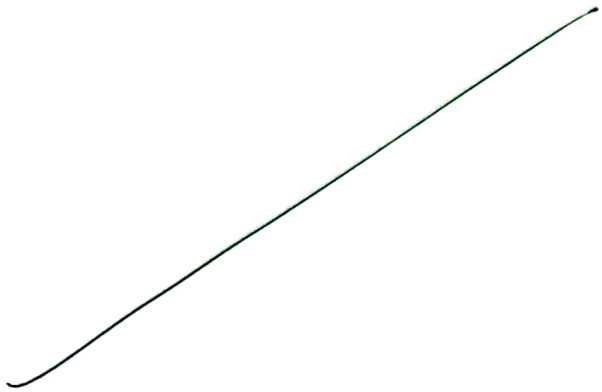
Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara P.

Asst.Executive Engineer

Scanned with CamScanner

CHAINAGE / Land Mark / Ward No 17	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS

Yashwanthapura Sub Division



Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
First and Part

Item No: 69 | 11/01/2021

Item Name: Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.Specification No. KB as per the direction of Engineer in charge

CHAINAGE		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
New Cobble Stone									
		1	28.70	3.20	3.20	3.20		91.84	
		1	11.00	3.20	3.20	3.20		35.20	
		1	15.50	3.30	3.30	3.30		51.15	
		1	30.00	3.20	3.20	3.20		96.00	
		1	30.00	3.20	3.20	3.20		96.00	
		1	30.00	3.20	3.20	3.20		96.00	
		1	8.50	3.20	3.20	3.20		27.20	
		1	30.00	3.30	3.30	3.30		99.00	
		1	30.00	3.30	3.30	3.30		99.00	
		1	30.00	3.30	3.30	3.30		99.00	
		1	30.00	3.40	3.40	3.40		102.00	
		1	2.00	3.40	3.40	3.40		6.80	
		1	30.00	3.20	3.20	3.20		96.00	
		1	2.60	3.20	3.20	3.20		8.32	
							Total Qty Work Done	1003.51	
							Qty Payable in this bill	1003.51	sqm

Checked NBA

Water supply connection charges - 500.00

Contractor Representative

SAPIENCE CONSULTANTS BANGALORE

Consultant Representative

11/01/2021

Assistant Engineer
Ward No 17

11/01/2021

Asst. Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner